

FIG. 1

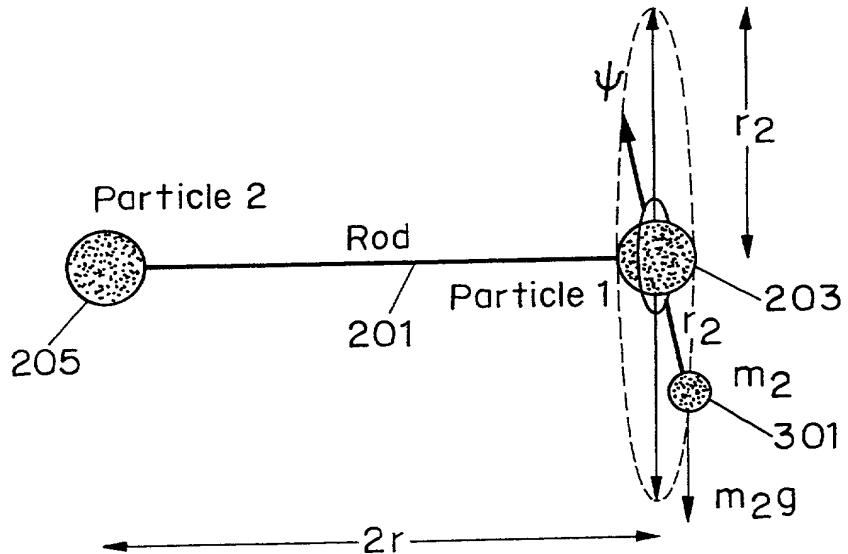
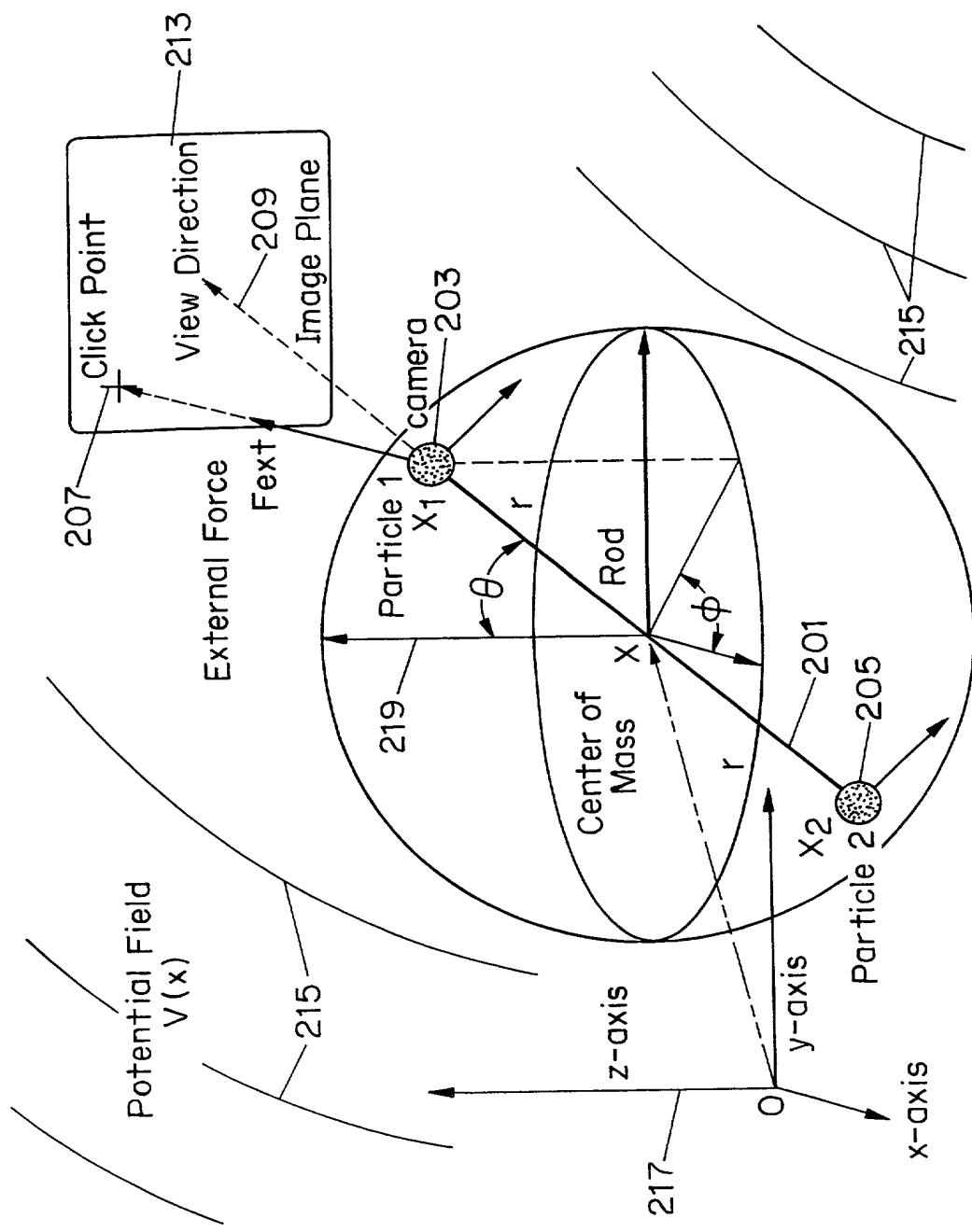


FIG. 3

FIG. 2



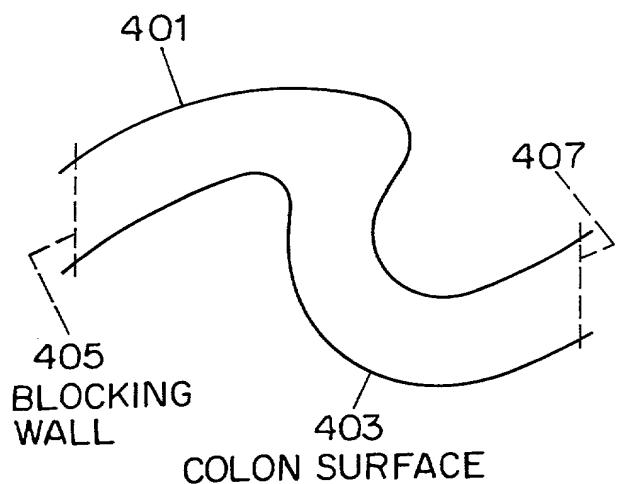


FIG. 4

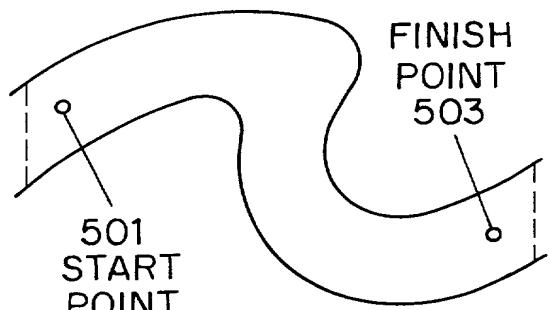


FIG. 5

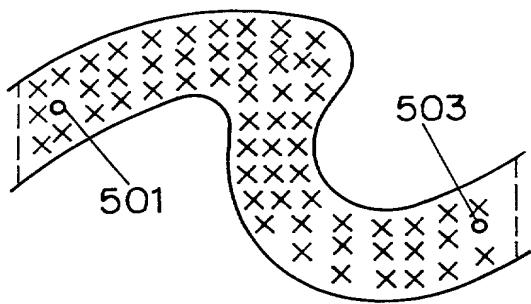


FIG. 6

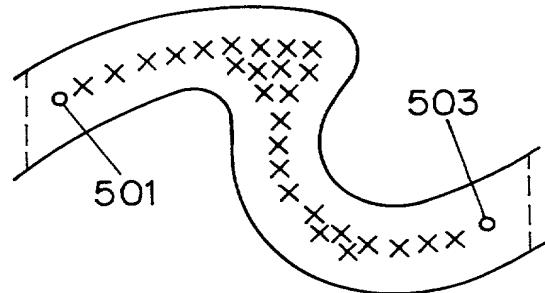


FIG. 7

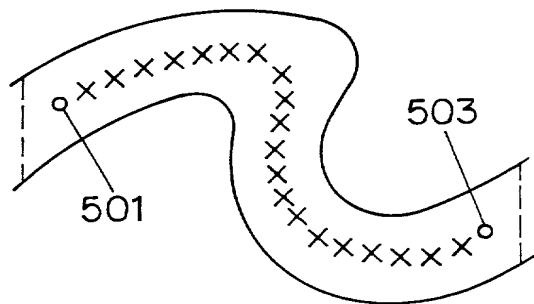


FIG. 8

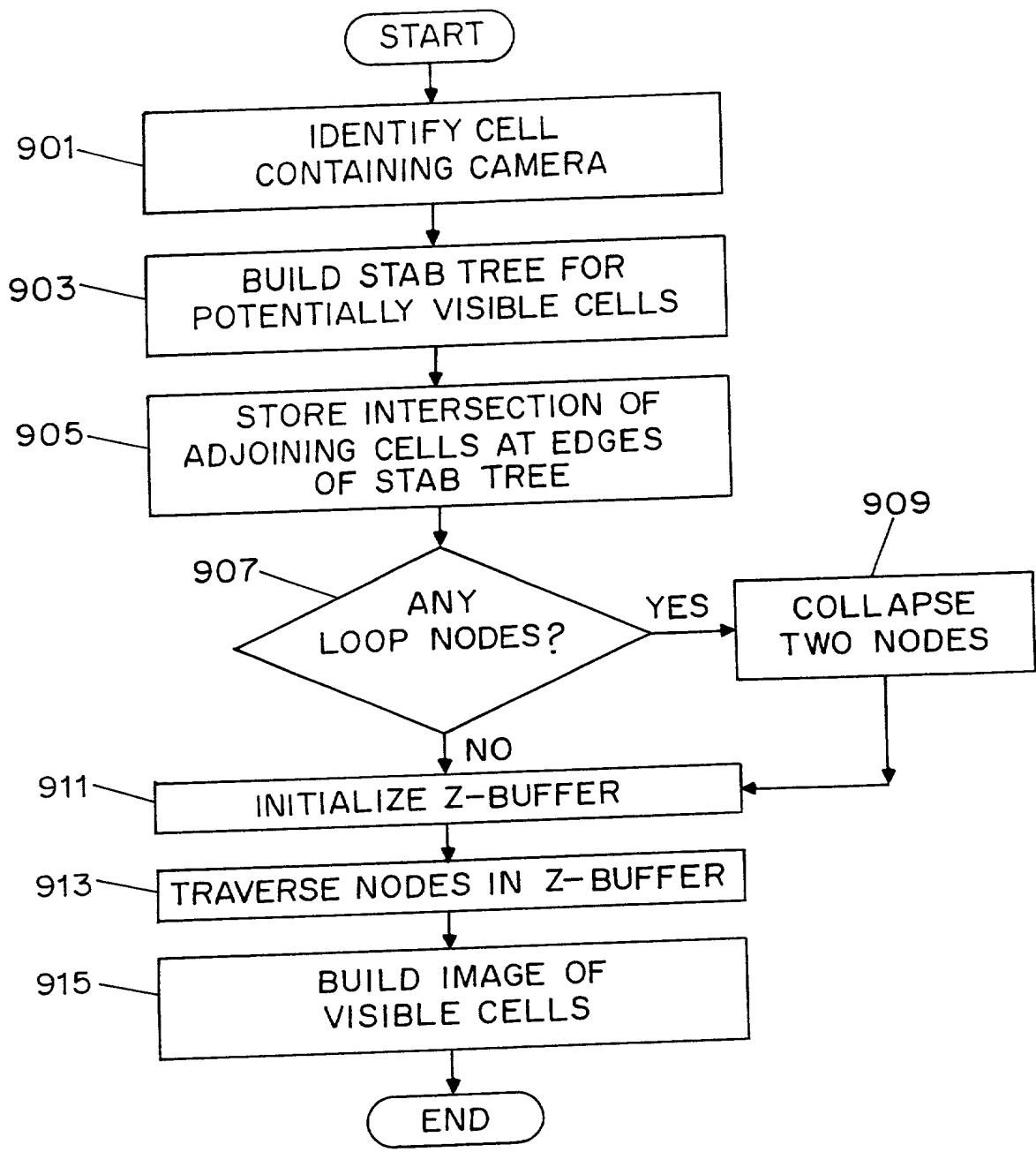


FIG. 9

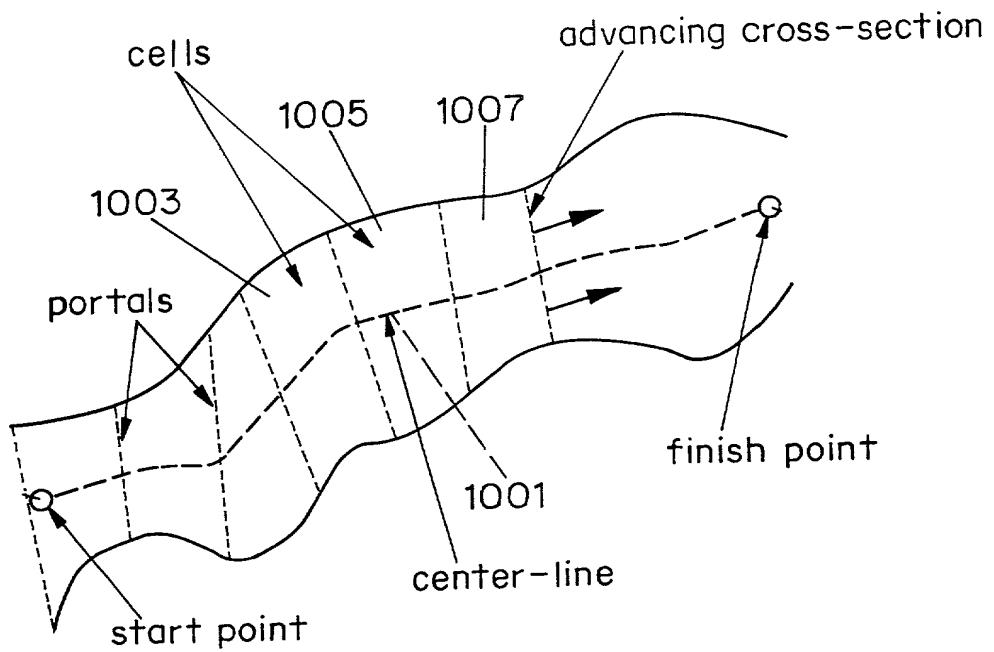


FIG. 10

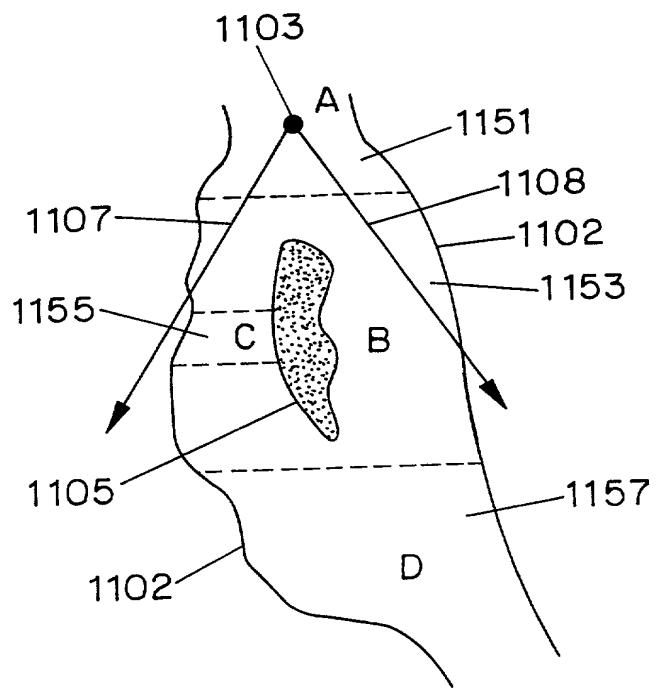


FIG. 11(a)

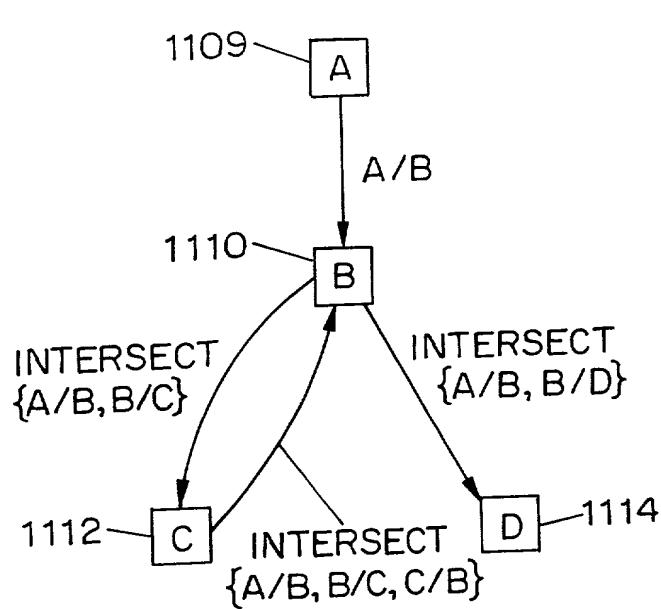


FIG. 11(b)

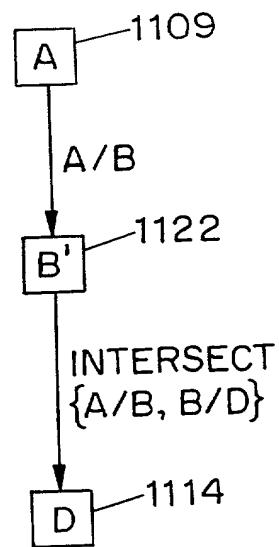


FIG. 11(c)

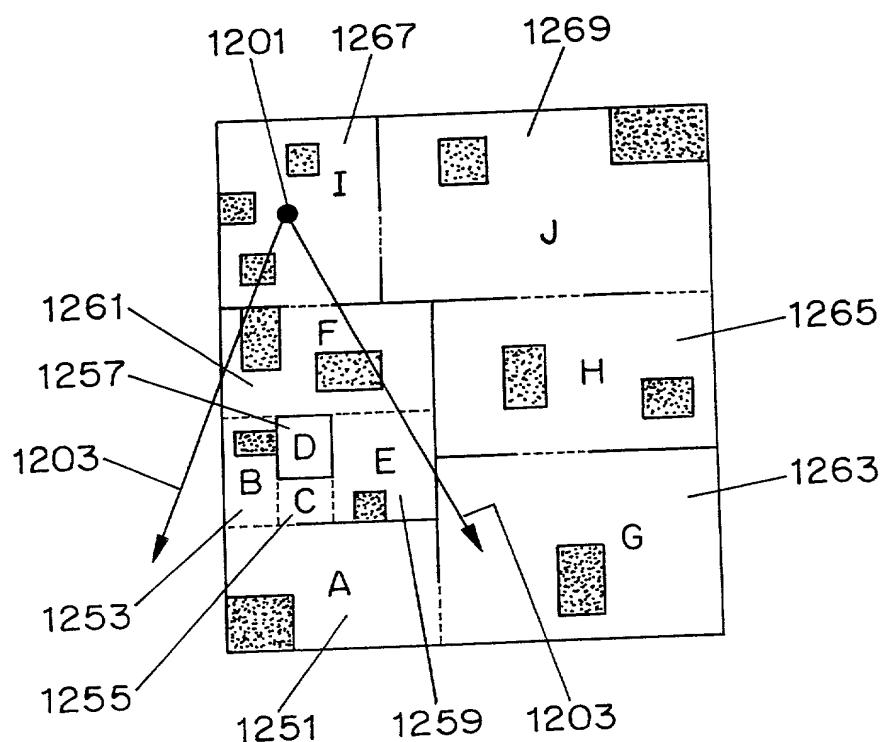


FIG. 12(a)

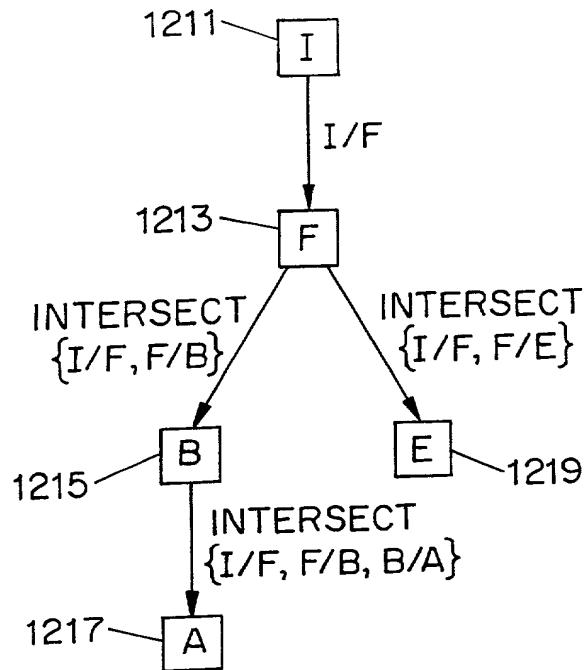


FIG. 12(b)

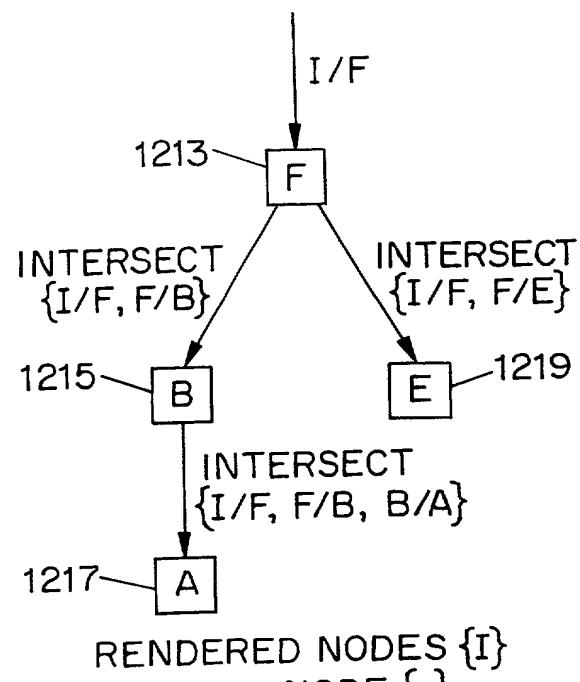


FIG. 12(c)

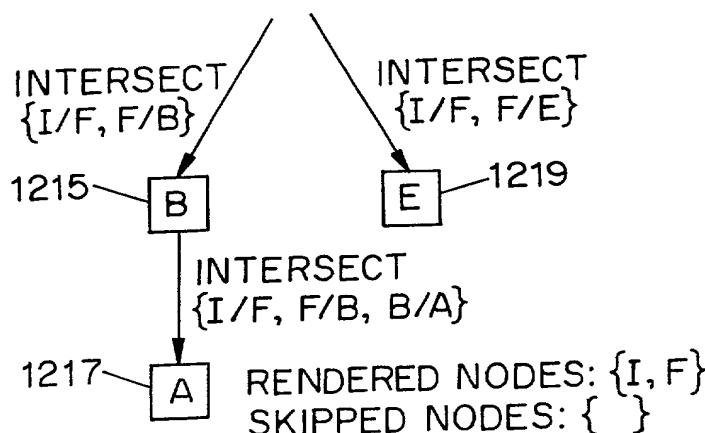


FIG. 12(d)

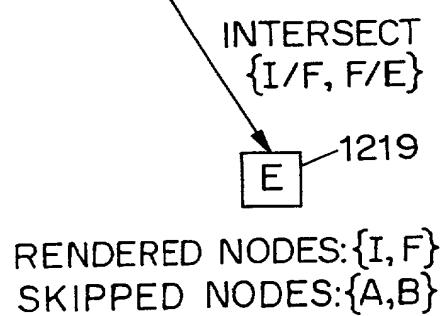


FIG. 12(e)

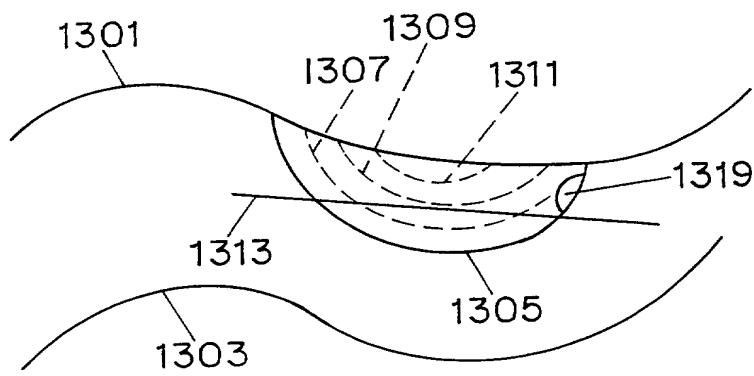


FIG. 13

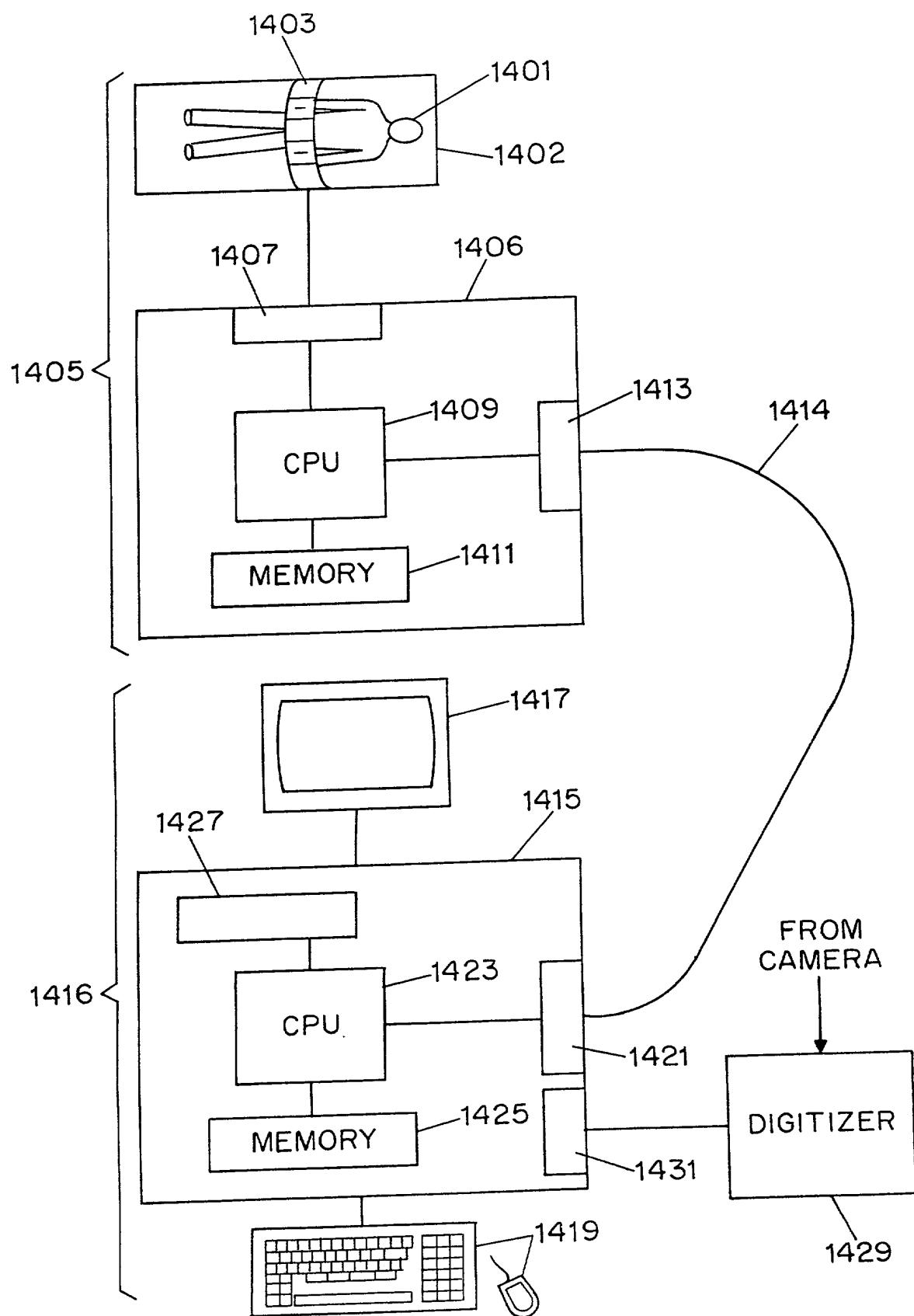


FIG. 14

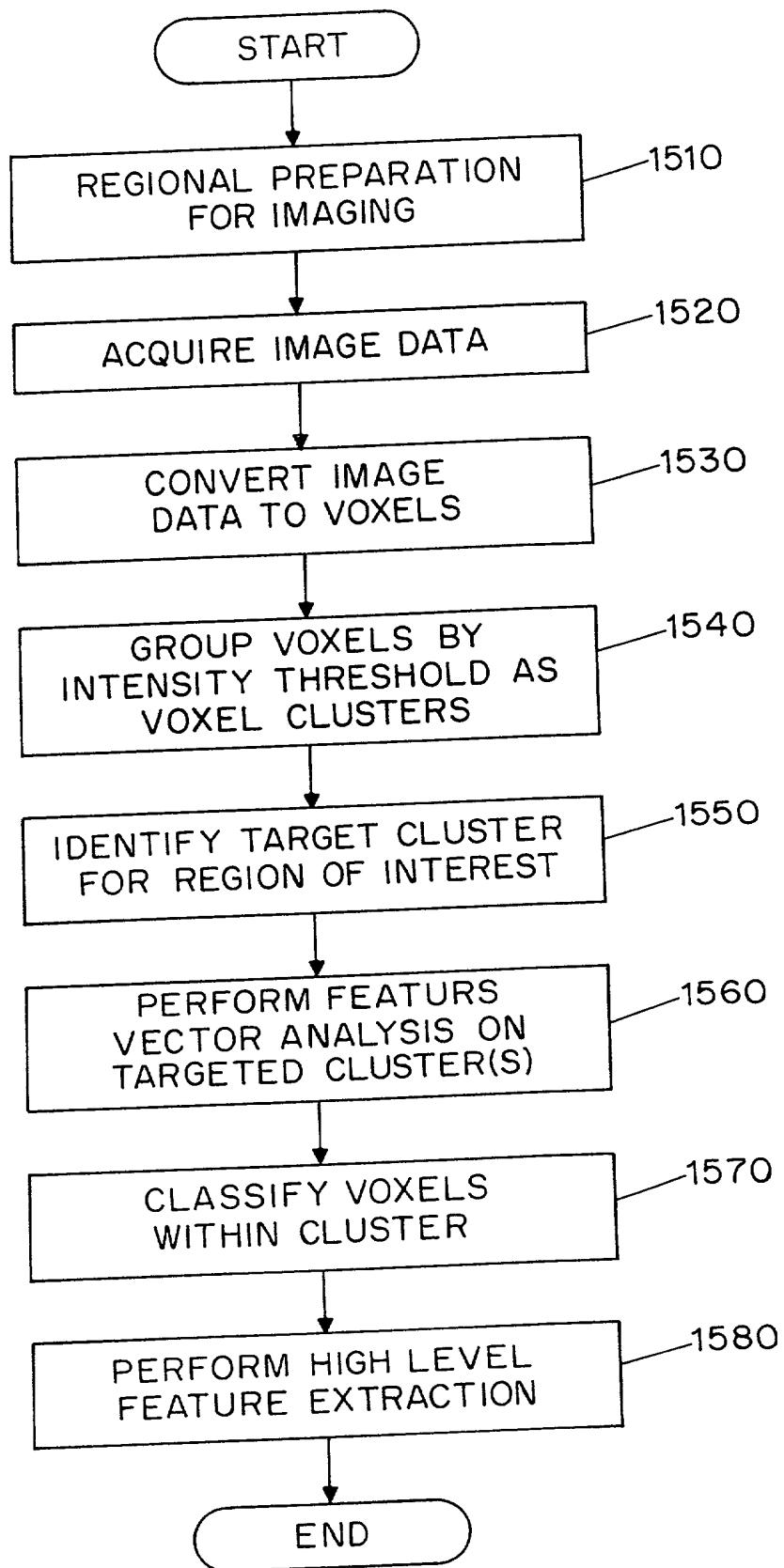


FIG. 15

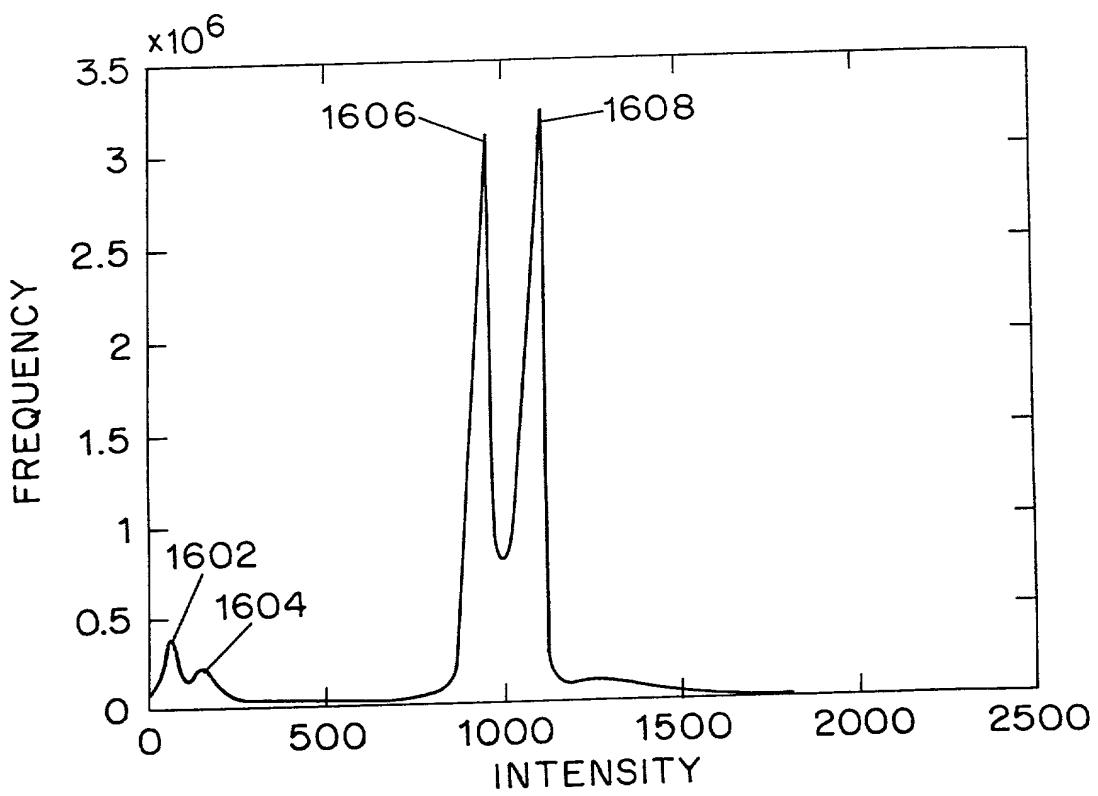


FIG. 16

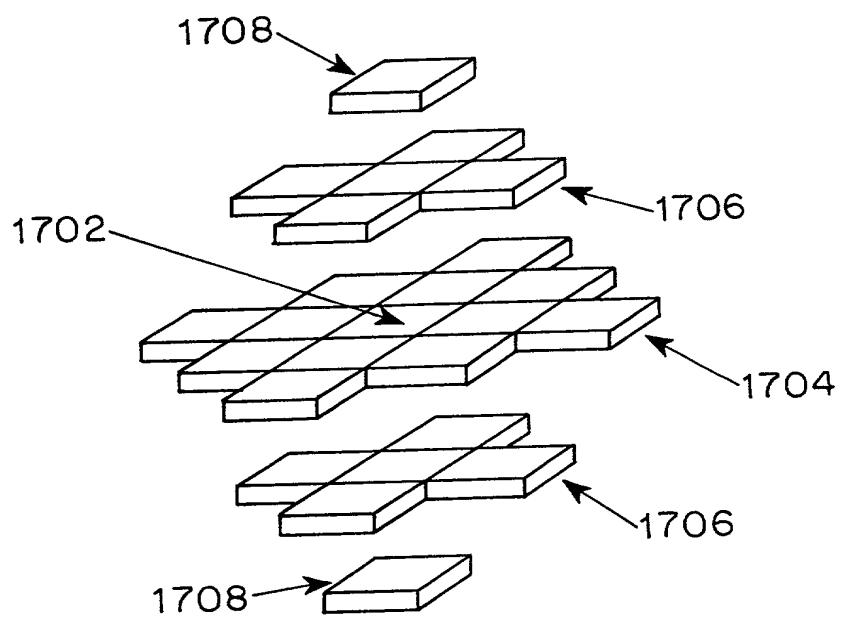


FIG. 17

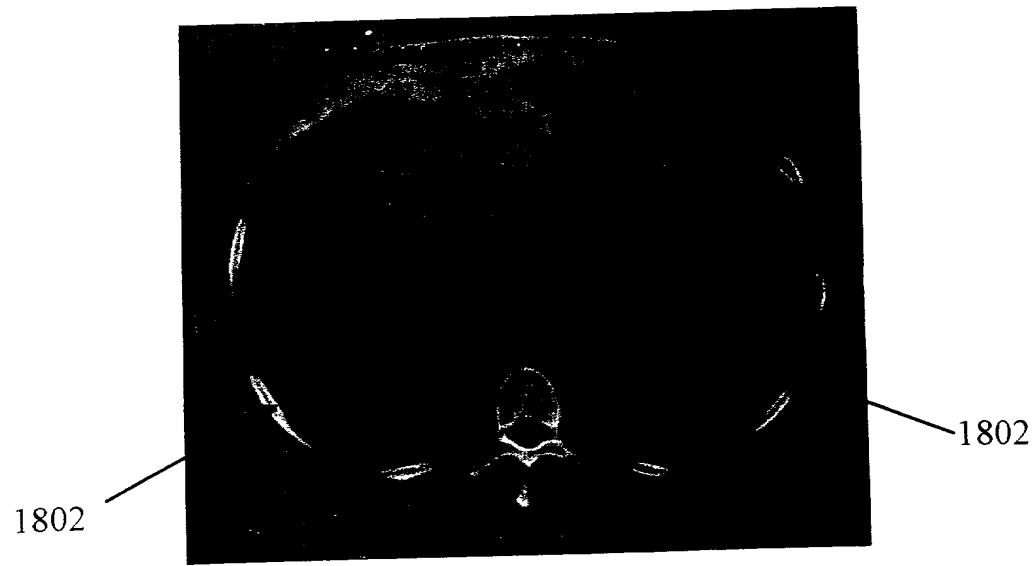


FIG. 18A

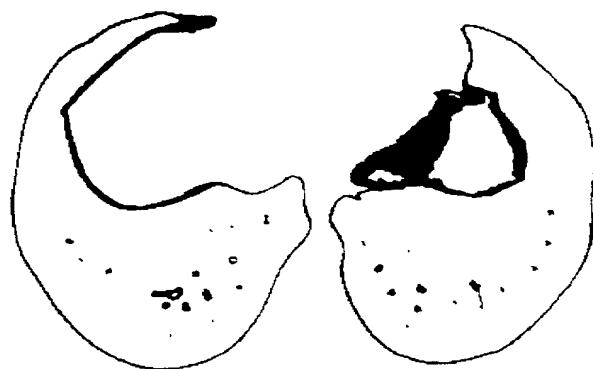


FIG. 18B

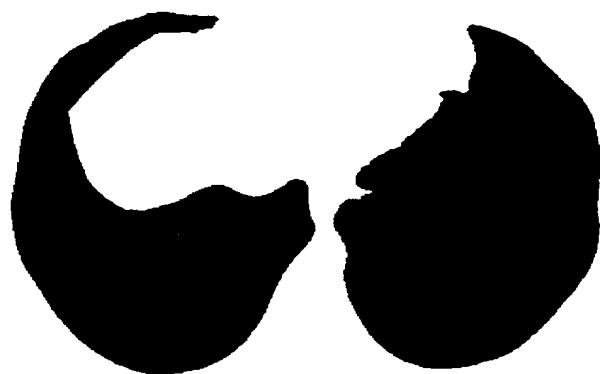
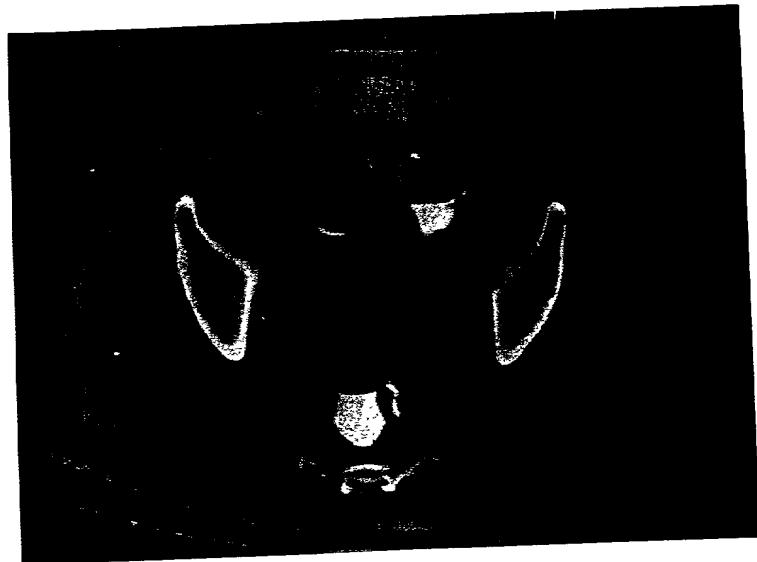
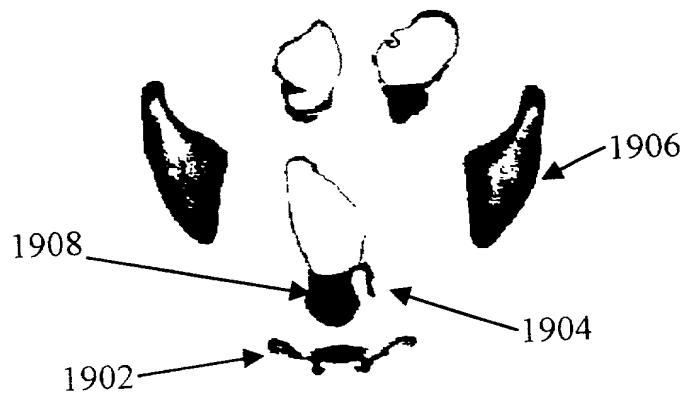


FIG. 18C



**FIG. 19A**



**FIG. 19B**



**FIG. 19C**

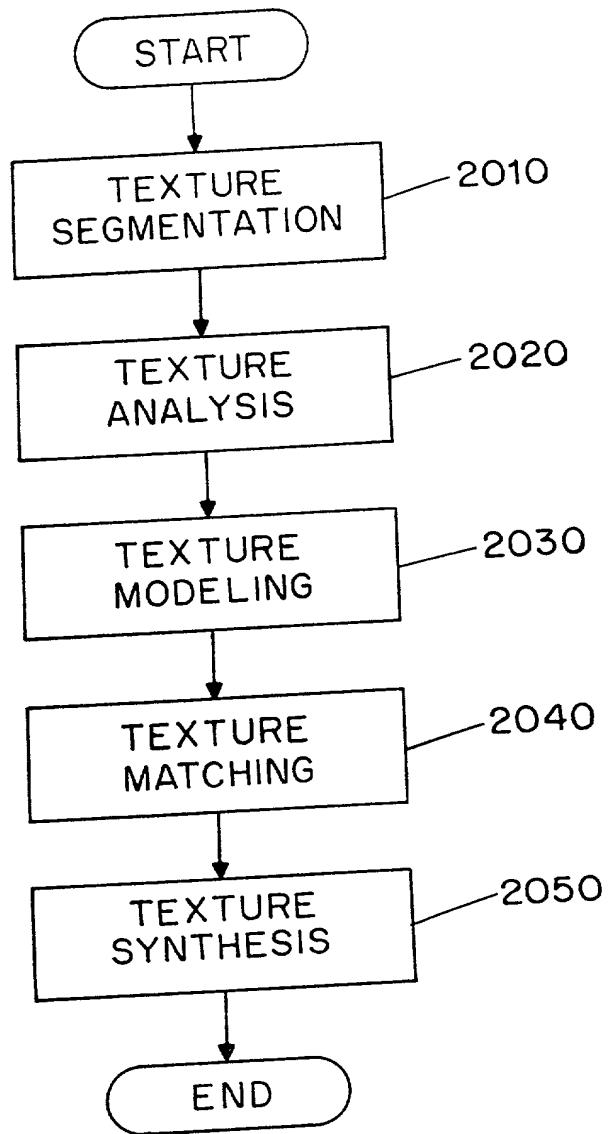


FIG. 20

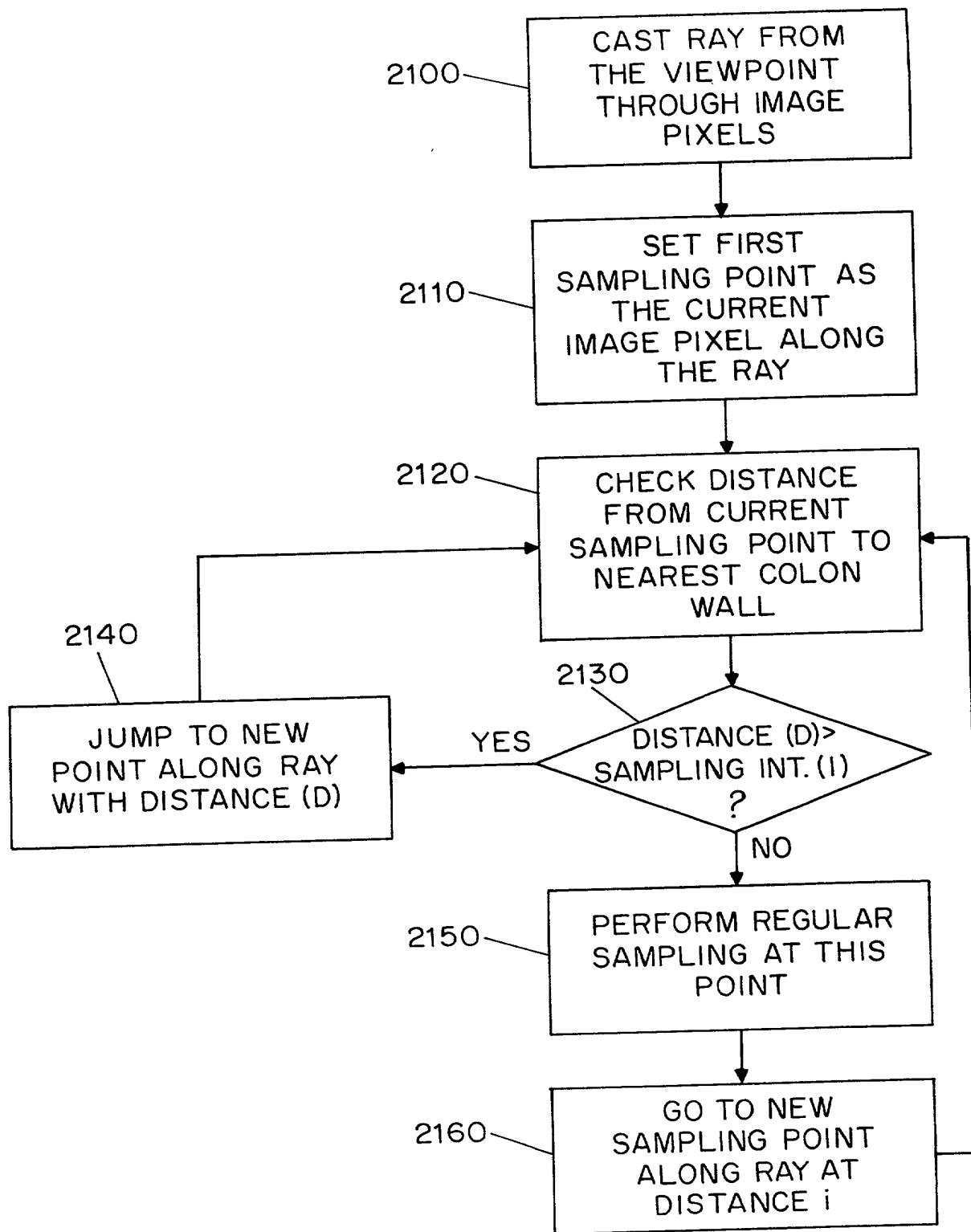


FIG. 21

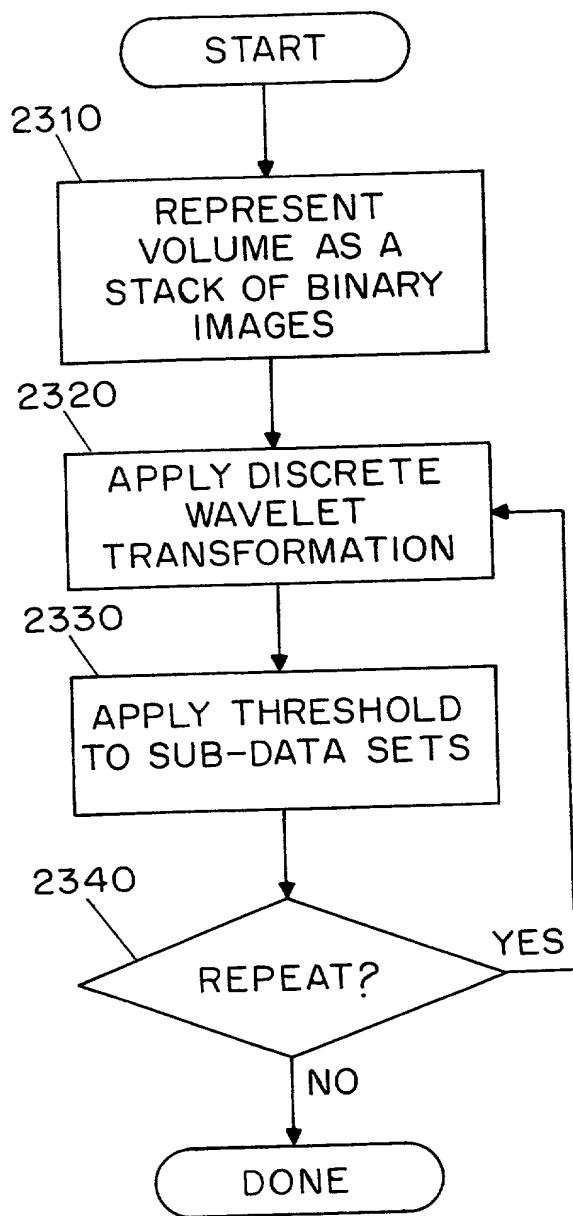
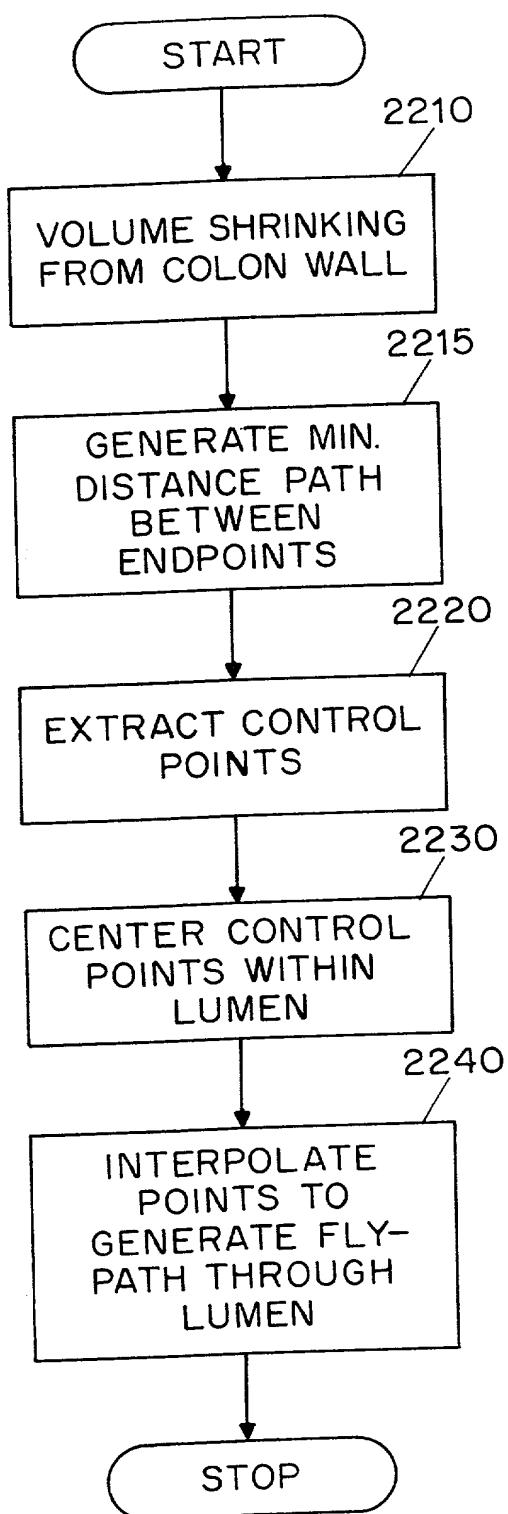
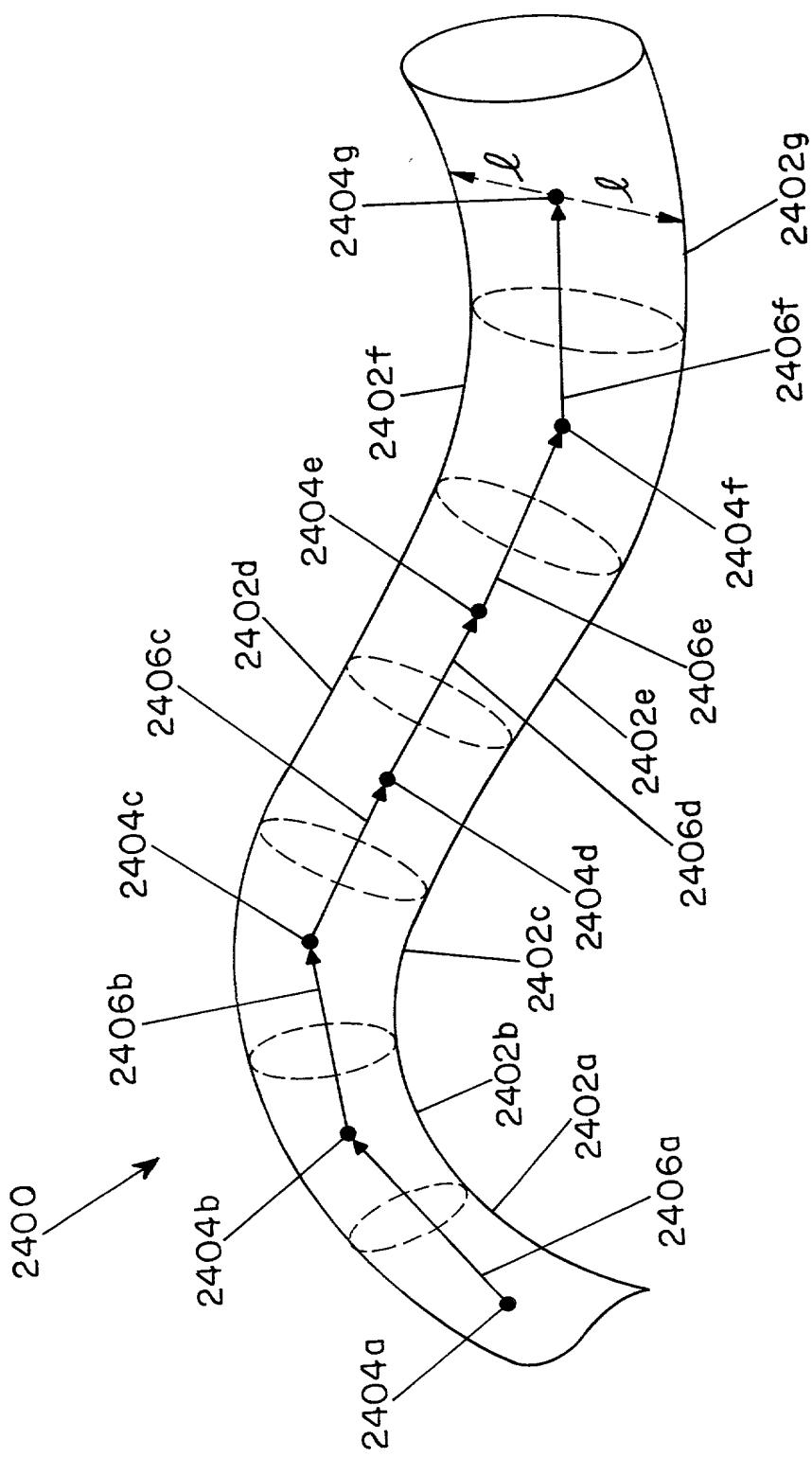


FIG. 24



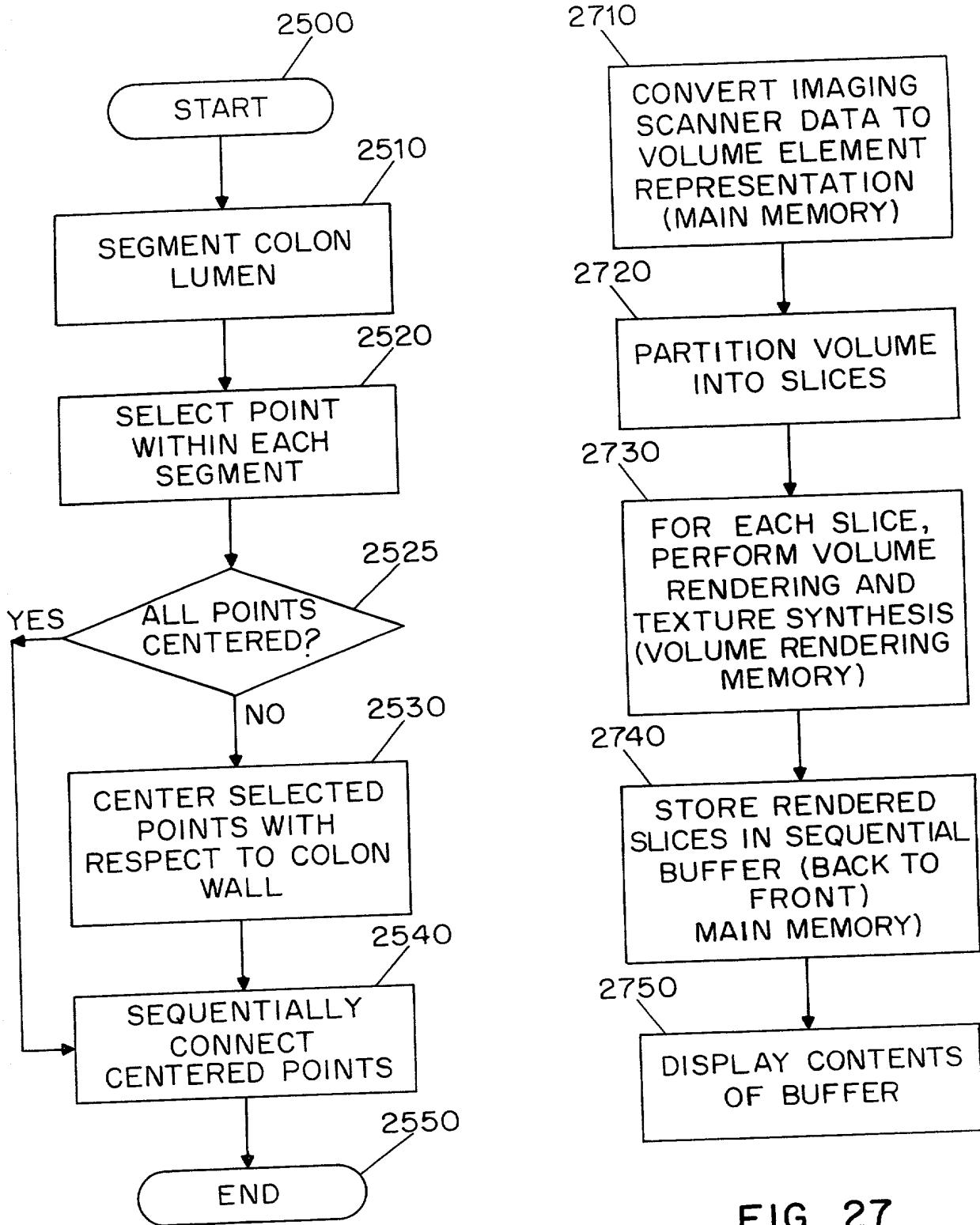


FIG. 25

FIG. 27

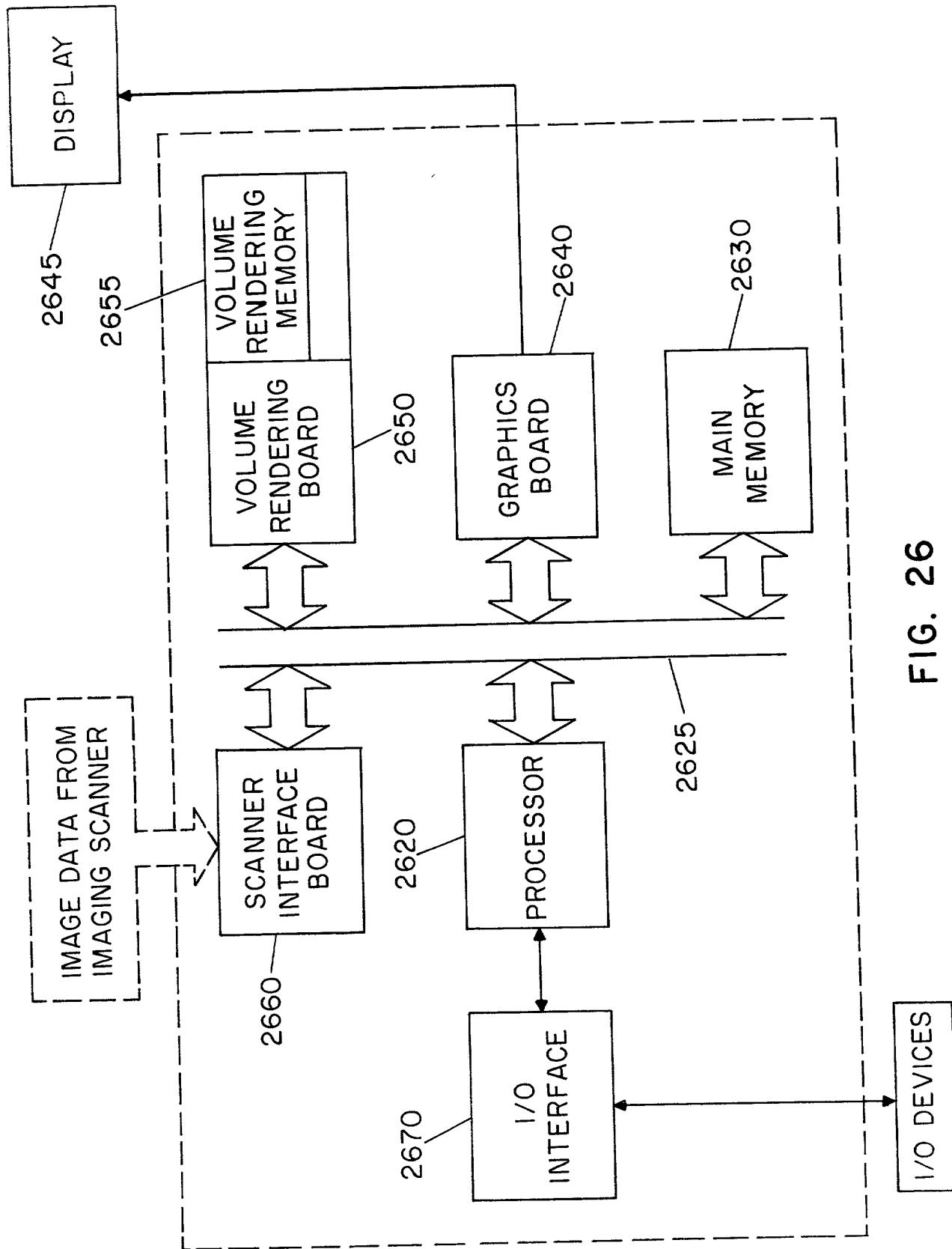
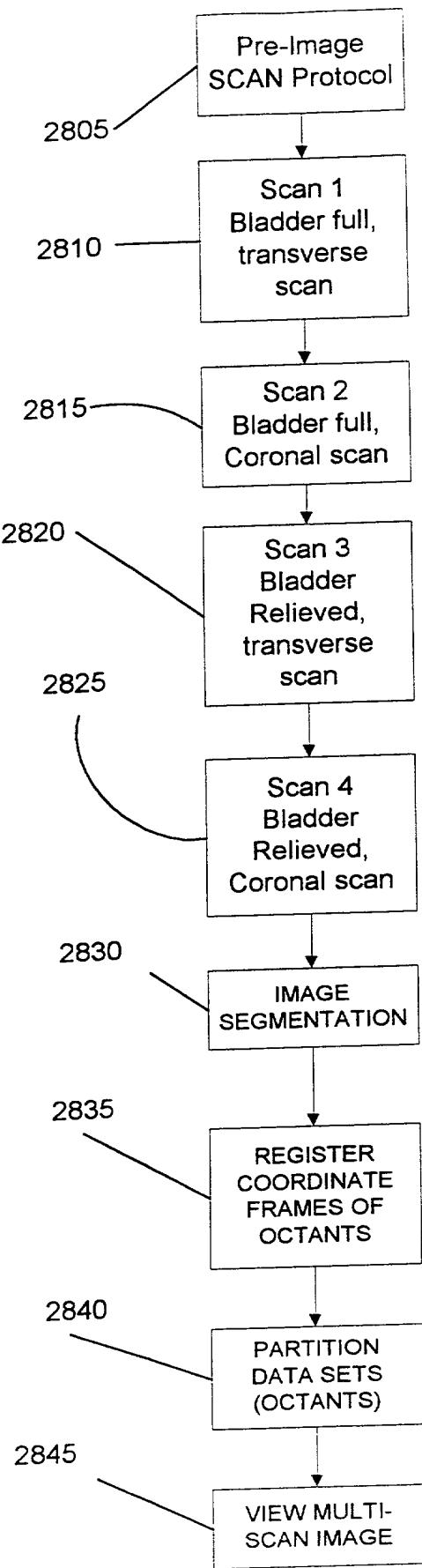


FIG. 26

FIG. 28



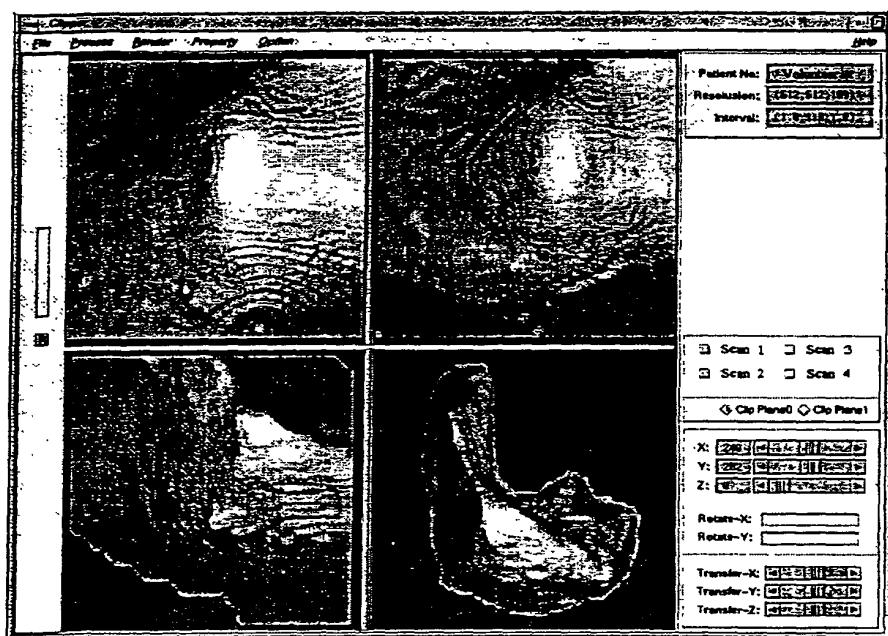
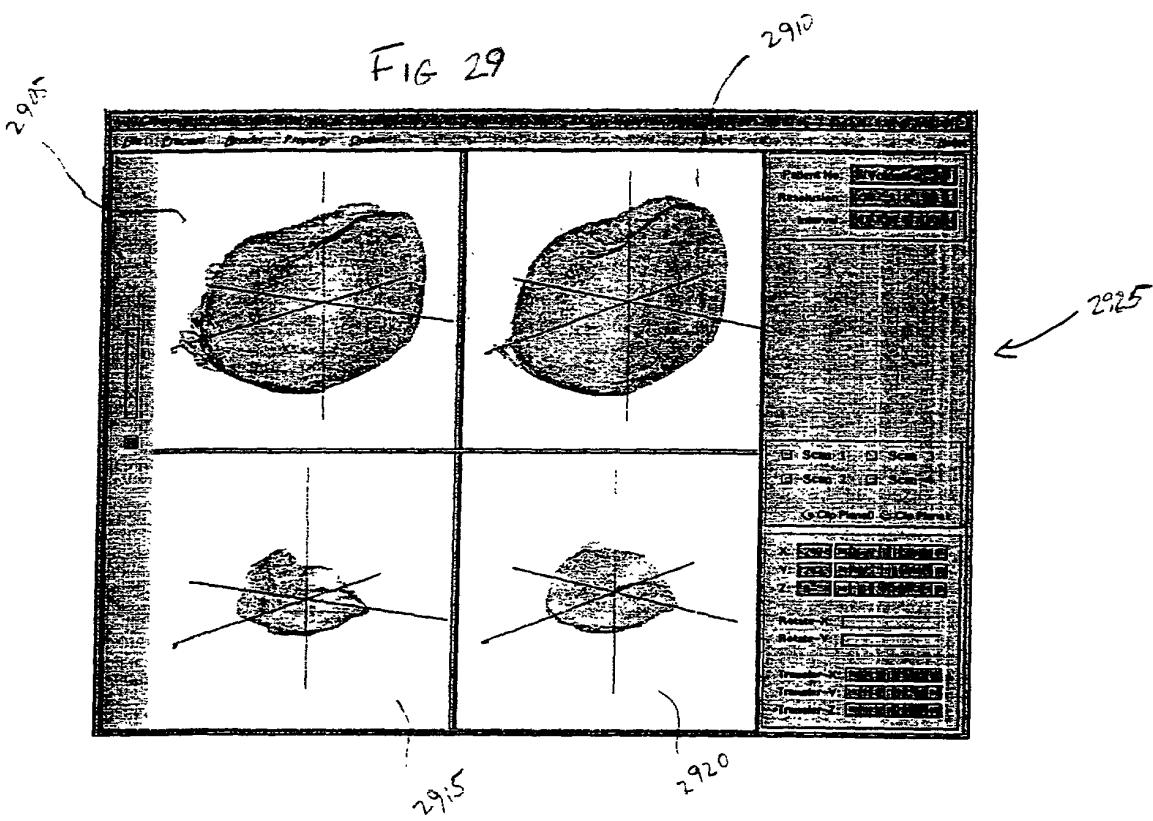


FIG. 30

FIG. 31

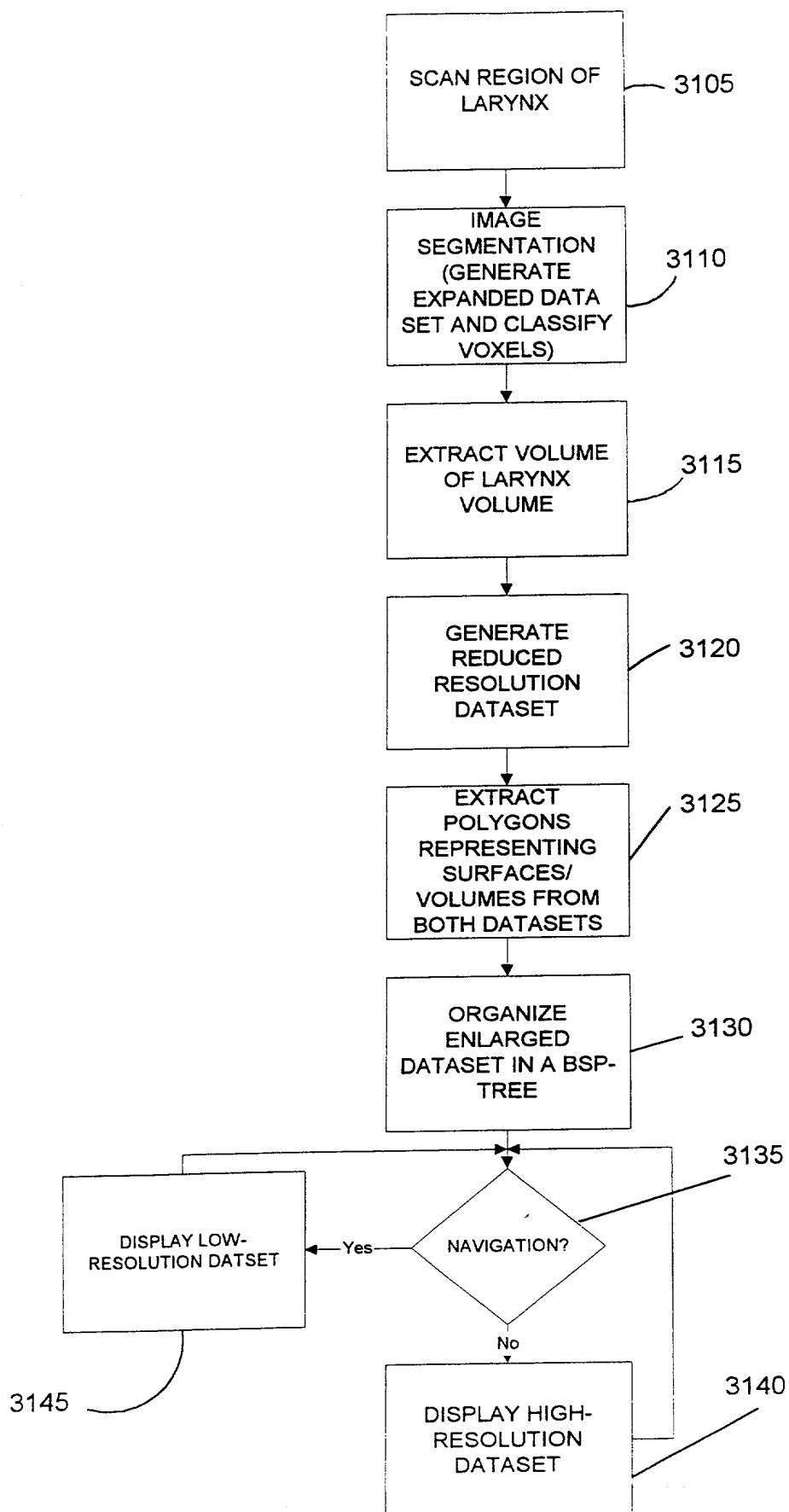


FIG. 32

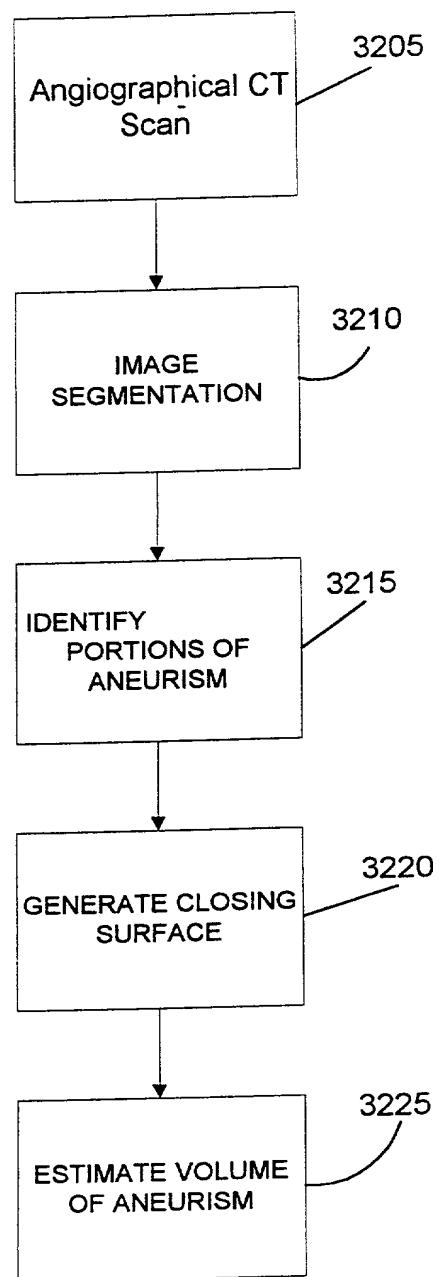


FIG. 33A

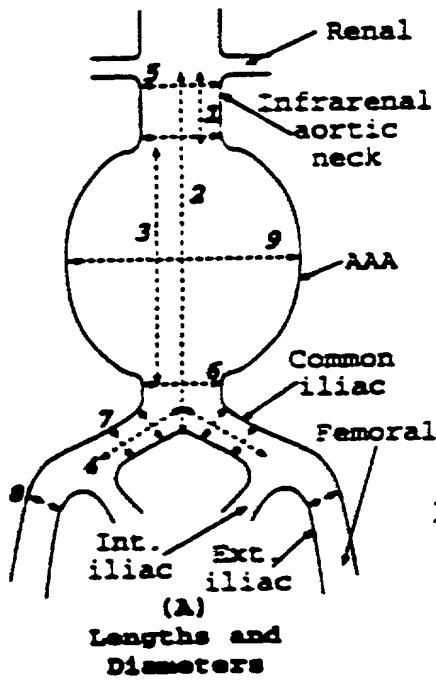


FIG. 33B

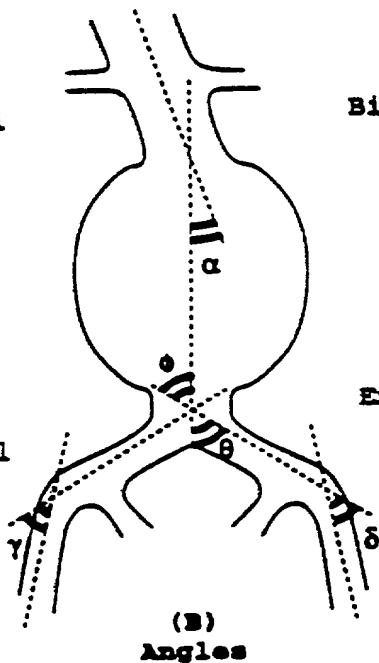


FIG 33C

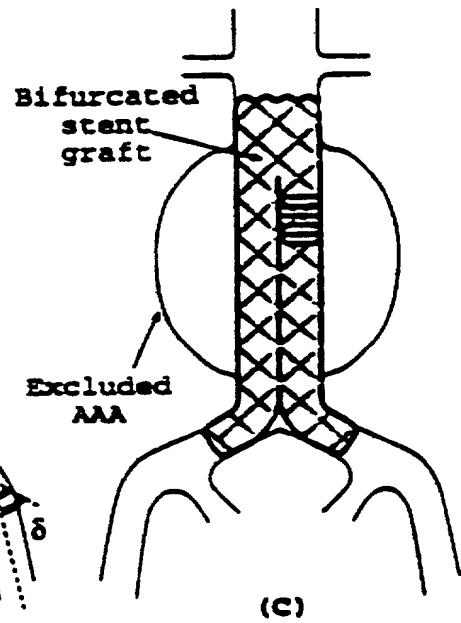


Fig. 34

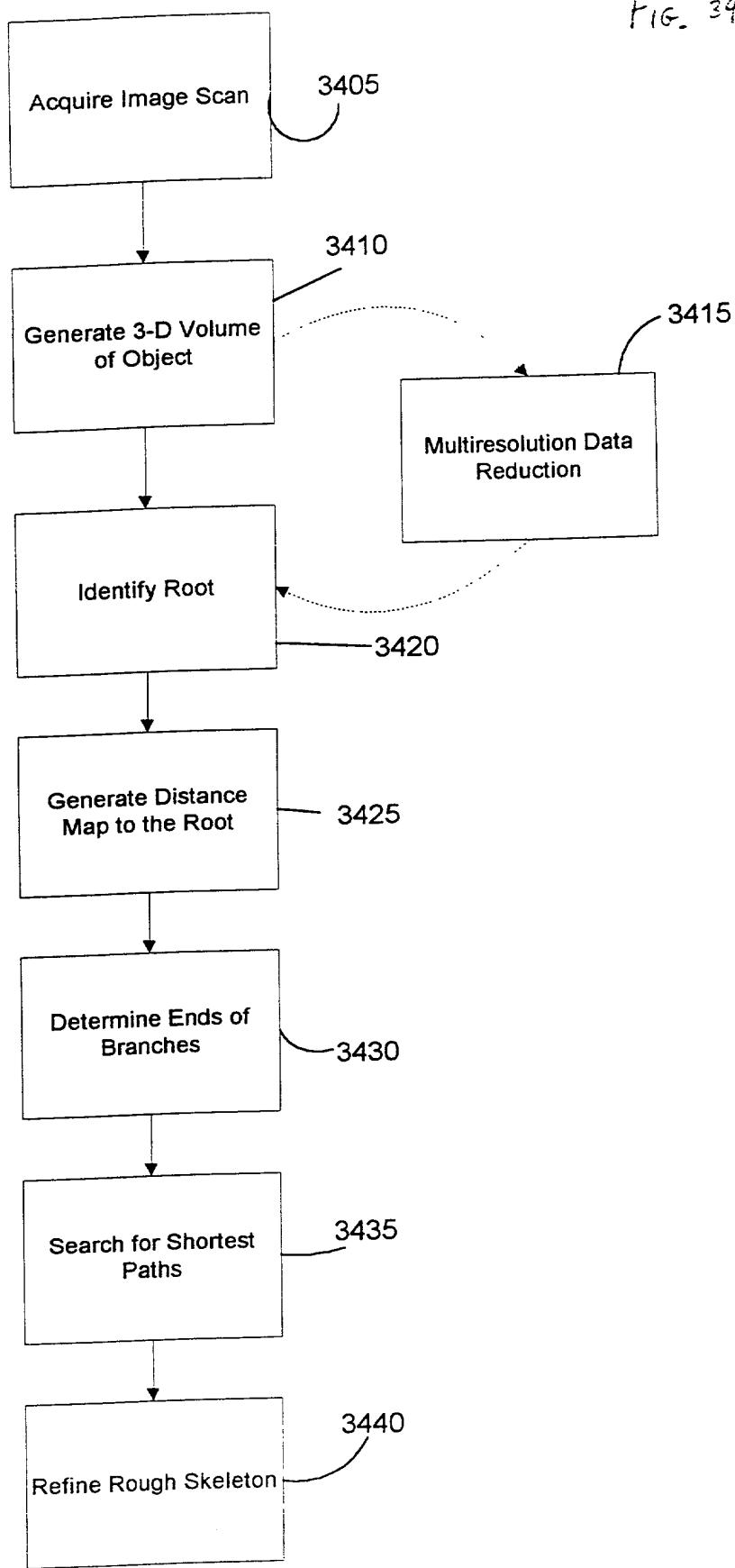


FIG. 35

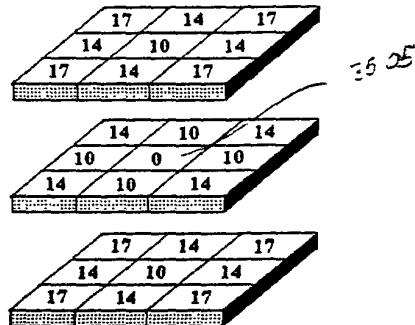


FIG. 36

```

1) Label root voxel with integer 0;
2) Construct a queue and line up the root in the queue;
3) If( There is at least one voxel in the queue )
    Serve the voxel x on the top of the queue;
    For( each of x's 26-connected neighbor voxel y ) {
        If( y in the volume and has not been labeled yet ) {
            Line up the y in the queue;

/* label the voxel y */
Set dist = 999999 ;
For( each of y's 26-connected neighbor voxel z ) {
    If( z in the volume and has been already labeled with an integer of nz ) {
        dz = nz + d(y, z);
        where d(y, z) is 10, 14 or 17 if the Euclidean distance between y and z is
        1,  $\sqrt{2}$ , or  $\sqrt{3}$ , respectively;
    }
    If( dist > dz ) {
        label y with integer dist ;
        dist = dz ;
    }
}
}
x leaves the queue;
}
Else {
    end of calculating the distance map.
}

```